



Australian Government

FBPCEL2003 Operate the ion exchange process

Release: 1

FBPCEL2003 Operate the ion exchange process

Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Application

This unit of competency describes the skills and knowledge required to operate ion exchange equipment used in winemaking operations.

The unit applies to individuals who work in winemaking operations and take responsibility for their own work. Individuals generally work under supervision but have some autonomy and accountability for their own work.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication

Pre-requisite Unit

Nil

Unit Sector

Cellar Operations (CEL)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the ion exchange process for operation	1.1 Confirm work instructions and identify potential health and safety hazards and controls according to workplace procedures 1.2 Select and fit personal protective equipment according to job requirements 1.3 Confirm environmental guidelines and identify potential health

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and safety hazards and controls according to workplace procedures 1.4 Confirm availability and prepare product and materials to meet ion exchange operation requirements 1.5 Check equipment to confirm readiness for use according to workplace procedures 1.6 Set the process to meet ion exchange requirements and job requirements
2. Operate and monitor the ion exchange process	2.1 Start up the ion exchange process according to workplace procedures 2.2 Monitor ion exchange process to confirm that ion exchanged product meets specification 2.3 Identify and address non-conformance of product, process and equipment according to workplace procedures
3. Shut down the ion exchange process	3.1 Identify and implement appropriate shutdown procedures 3.2 Dismantle equipment safely and prepare for cleaning 3.3 Collect, treat and dispose of or recycle waste generated by the ion exchange process 3.4 Record workplace information according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Comprehend instructions in workplace documents
Writing	Complete workplace documents in required format
Numeracy	- Perform calculations required to prepare production materials for the process - Monitor supply and flow of materials to and from the process
Navigate the world of	Apply workplace procedures and legislative responsibilities to

Skill	Description
work	own role
Interact with others	Use required communication mode to report operational information to relevant personnel
Get the work done	- Plan, sequence and implement tasks according to set routines and procedures - Respond to routine problems using workplace instructions and procedures

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPCEL2003 Operate the ion exchange process	FDFCEL2003A Operate the ion exchange process	Updated to meet Standards for Training Packages Minor changes to Elements and Performance Criteria for clarity Prerequisites removed	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>